



EXPRESS MAIL NO. EV336651602US

PTO/SB/01A (08-03).

Approved for use through 10/31/2002. OMB 0651-0032.

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION
USING AN APPLICATION DATA SHEET (37 CFR 1.76)**

Title of Invention	A METHOD TO PRODUCE A RECEPTOR CHIP USING BIOTINYLATED PROTEIN
---------------------------	---

As the below named inventor(s), I/we declare that:

This declaration is directed to:

- ☐ The attached application, or
☒ Application No. 10/765,466, filed on January 26, 2004,
☐ as amended on _____ (if applicable);

I/we believe that I/we am/are the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought;

I/we have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment specifically referred to above;

I/we acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me/us to be material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the National or PCT International filing date of the continuation-in-part application.

All statements made herein of my/our own knowledge are true, all statements made herein on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001, and may jeopardize the validity of the application or any patent issuing thereon.

FULL NAME OF INVENTOR(S)Inventor one: Sachiko MACHIDA Citizen of: JapanSignature: *Sach Machida* Date: Mar. 23, 2004Inventor two: Kiyoshi HAYASHI Citizen of: JapanSignature: *Kiyoshi Hayashi* Date: Mar. 24, 2004Inventor three: Ken TOKUYASU Citizen of: JapanSignature: *Ken Tokuyasu* Date: Mar. 25, 2004Inventor four: Yoshikiyo SAKAKIBARA Citizen of: JapanSignature: *Yoshikiyo Sakakibara* Date: Mar. 23, 2004☒ Additional inventors or a legal representative are being named on 1 additional form(s) attached hereto.

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 minute to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: P.O. Box 1450, Alexandria, VA 22313-1450.
Docket No. 690115.401C1

454624



EXPRESS MAIL NO. EV336651602US

**DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION
USING AN APPLICATION DATA SHEET (37 CFR 1.76)**

**ADDITIONAL INVENTOR(S)
Supplemental Sheet**

Page 2 of 2

FULL NAME OF INVENTOR(S)

Inventor five: Shigeru MATSUNAGA

Citizen of: Japan

Signature: Shigeru Matsunaga

Date: Mar. 23, 2004

Inventor six: _____

Citizen of: _____

Signature: _____

Date: _____

Inventor seven: _____

Citizen of: _____

Signature: _____

Date: _____

Inventor eight: _____

Citizen of: _____

Signature: _____

Date: _____

☐ Additional inventors or a legal representative are being named on _____ additional form(s) attached hereto.

C:\690115.401C1\454624_1.DOC



EXPRESS MAIL NO. EV336651602US

PTO/SB/96 (08-03)

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: Sachiko MACHIDA et al.
Application No./Patent No.: 10/765,466 Filed/Issue Date: January 26, 2004
Entitled: A METHOD TO PRODUCE A RECEPTOR CHIP USING BIOTINYLATED PROTEIN

National Food Research Institute
(Name of Assignee)

a corporation
(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title and interest.
The extent (by percentage) of its ownership interest is _____ %

in the patent application/patent identified above by virtue of either:

- A. ☒ An assignment from the inventor(s) of the patent application/patent identified above.
The assignment was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

2. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

☐ Copies of assignments or other documents in the chain of title noted in B above are attached.

[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.8]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

March 30, 2004

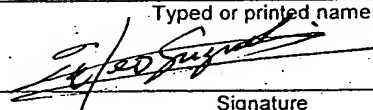
Tateo SUZUKI

Date

Typed or printed name

81-029-838-7971

Telephone Number



Signature

President and Director General

Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Docket No. 690115.401C1

454635



EXPRESS MAIL NO. EV336651602US

PTO/SB/81 (06-03)

Approved for use through 11/30/2005. OMB 0651-0035

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

ELECTION AND POWER OF ATTORNEY and CORRESPONDENCE ADDRESS INDICATION FORM	Application Number	10/765,466
	Filing Date	January 26, 2004
	First Named Inventor	Sachiko MACHIDA
	Title	A METHOD TO PRODUCE A RECEPTOR CHIP USING BIOTINYLATED PROTEIN
	Art Unit	
	Examiner Name	
	Attorney Docket Number	690115.401C1

I hereby appoint:

☒ Practitioners at Seed IP Law Group PLLC, Customer Number: **00500**

OR

☐ Practitioner(s) named below:

Name	Registration Number

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

Please recognize or change the correspondence address for the above-identified application to:

☒ The above-mentioned Customer Number.

OR

☐ The address associated with Customer Number:

OR

☐ Firm or
Individual Name

Address

Address

City

State

ZIP

Country

Telephone

Fax

I am the:

☐ Applicant/Inventor.☒ Assignee of record of the entire interest. See 37 CFR 3.71.

Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

☒ As assignee of record of the entire interest I/we hereby elect, under 37 C.F.R. § 3.71, to prosecute the application to the exclusion of the inventor(s).**SIGNATURE of Applicant or Assignee of Record**

Name

Tateo SUZUKI

Signature

Date

March 30, 2004

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below*.

☐ *Total of _____ forms are submitted.

This collection of information is required by 37 CFR 1.31 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

C:\690115.401C1\454632_1.DOC

COPY

EXPRESS MAIL NO. EV336651602US

ASSIGNMENT

WHEREAS, we, Sachiko MACHIDA, Kiyoshi HAYASHI, Ken TOKUYASU, Yoshikiyo SAKAKIBARA and Shigeru MATSUNAGA (hereinafter referred to as ASSIGNORS), having mailing addresses of 1-601-506, Azuma, Tsukuba-shi, Ibaraki 305-0031 Japan; 5-3, Ottominami 1-chome, Tsuchiura-shi, Ibaraki 300-0845 Japan; 2-1-2-704-404, Azuma, Tsukuba-shi, Ibaraki 305-0031 Japan; 1-1-1-603-505, Azuma, Tsukuba-shi, Ibaraki 305-0031 Japan; and 1-11-14-101, Shirahane, Ryugasaki-shi, Ibaraki 301-0841 Japan, respectively, are the joint inventors of an invention entitled "A METHOD TO PRODUCE A RECEPTOR CHIP USING BIOTINYLATED PROTEIN," as described and claimed in the specification for which an application for United States letters patent was filed on January 26, 2004, and assigned Application No. 10/765,466; this application being a continuation-in-part of U.S. Application No. 10/653,687 filed September 2, 2003, which claims priority to Japanese Application No. 2002-256691 filed September 2, 2002 and Japanese Application No. 2003-304624 filed August 28, 2003;

WHEREAS, NATIONAL FOOD RESEARCH INSTITUTE (hereinafter referred to as ASSIGNEE), a corporation of Japan having a place of business at 2-1-12, Kannondai, Tsukuba-shi, Ibaraki 305-8642 Japan, is desirous of acquiring the entire right, title and interest in and to the invention and in and to any letters patent that may be granted therefor in the United States and in any and all foreign countries;

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS hereby sell, assign and transfer unto said ASSIGNEE the entire right, title and interest in and to said invention, said application and any and all letters patent which may be granted for said invention in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all divisions, reissues and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said United States application to which said foreign applications are entitled by virtue of international convention, treaty or otherwise, said invention, application and all letters patent on said invention to be held and enjoyed by ASSIGNEE and its successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNORS had this assignment, transfer and sale not been made. ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks to issue all letters patent on said invention to ASSIGNEE. ASSIGNORS agree to execute all instruments and documents required for the making and prosecution of applications for United

States and foreign letters patent on said invention, for litigation regarding letters patent, or for the purpose of protecting title to said invention or letters patent therefor.

Mar. 27, 2004
Date

Sachiko Machida
Sachiko MACHIDA

Mar. 24, 2004
Date

Kiyoshi Hayashi
Kiyoshi HAYASHI

Mar. 25, 2004
Date

Ken Tokuyasu
Ken TOKUYASU

Mar. 23, 2004
Date

Yoshikiyo Sakakibara
Yoshikiyo SAKAKIBARA

Mar. 23, 2004
Date

Shigeru Matsunaga
Shigeru MATSUNAGA

C:\690115.401C1\454604_1.DOC